



Department of Fish and Game  
Habitat and Restoration Division

Important to Anadromous Fish

Region

10

USGS Quad

Cordova (C-7), Alaska

Anadromous Water Catalog Number of Waterway

221-40-10760 - 2019

Name of Waterway



USGS Name



Local Name



Addition



Deletion



Correction



Backup Information

For Office Use

Nomination #

99 224

Revision Year:

Revision to:

Atlas

Both

Revision Code:

B-1

Regional Supervisor

AWC Project Biologist

Drafted

Date

Date

Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
CT	08/08/1999		X	X	<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**IMPORTANT:** Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments:

A hook and line sampling survey was performed on the lake and its outlet which empties into anadromous stream # 10760. Eleven cutthroat trout were captured on flies and spinning gear, ranging in size from 5"-15". One possible coho was also captured. It is possible that these cutthroat trout could be anadromous.

Name of Observer (please print):

Christal Cearnecki

Signature:

Christal Cearnecki

Date: 9/3/99

Address:

Box 2726

Cordova, AK 99574

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist:

Andrew Caffrey

Revision 3/97

ALASKA DEPT. OF  
FISH & GAME  
OCT 22 1999  
REGION II  
HABITAT AND RESTORATION  
DIVISION



# KNOWLES HEAD ANGLING SURVEY

08 August, 1999

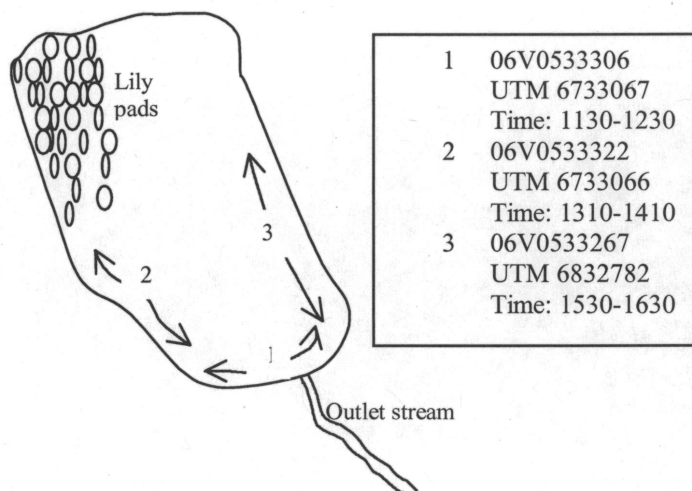
## Introduction

Cutthroat trout have been identified by EVOS as impacted by the Exxon Valdez oil spill. The purpose of this survey was to determine the presence of fish species, especially cutthroat, in a previously un-surveyed lake on Knowles Head, land that was recently acquired by the Forest Service as a result of the spill.

## Methods

An angling survey was performed by Molly Puchlerz and Christal Czarnecki on 08 August, 1999 during the hours of 1130-1630, while working for the US Forest Service. The lake is unnamed, with the outlet stream located at UTM 6733067. At each survey location around the lake, the equipment consisted of a spinning rod with spoon spinners and a fly rod with dry flies, suitable for trout and other small to medium fish.

Study site descriptive map:



## Results

Fish were caught at each of the three survey sites and the catch per unit effort was 4.

Site	Rod type	Fish type	Size
1 from 1130-1230	Fly	Cutthroat Cutthroat Cutthroat	13" 10" 8"
	Spinning	Cutthroat Cutthroat	8" 5"
2 from 1310-1410	Fly	Cutthroat	15"
	Spinning	Cutthroat Cutthroat Possibly Coho	11" 8" 4"
3 from 1530-1630	Fly	Cutthroat Cutthroat	8" 5"
	Spinning	Cutthroat	6"

## Discussion

The entire lake was not surveyed due to time constraints, but it is evident that cutthroat trout are present in this lake, and possibly other species as well. During the course of the survey, many surfacing and jumping fish were observed throughout the lake. The survey site around the outlet stream seemed to be the most successful area. There were downed logs in this area as well as other places throughout the lake. The outlet stream area had a gravel and rock bottom. The lake is possibly deep enough to provide overwintering habitat for fish, as it was at least three feet deep along the shoreline in some areas. The survey team only had hip waders, which were not adequate to walk around the shoreline because it was too deep in several places. Pink salmon were observed returning to spawn farther down the outlet stream.

-size of cuts → anad.

-meristic charact. → anad.



CORDOVA (C-7) QUADRANGLE  
ALASKA

15 MINUTE SERIES (TOPOGRAPHIC)

(CORDOVA D-6)



Add species  
CTP to  
stream  
221-40-10760-  
2019

Upper reaches of  
Stream # 10760

| | approx. area  
surveyed